CLASSIFICATION:

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			BUDGET IT	TEM JUST	DATE:												
				P-4	February 2004												
APPROPRIATION/BL	JDGET ACTIVIT	Y	E	3A-2	Communic	ations and	Electronic	P-1 ITEM NOME	NCLATURE								
OTHER PROCUR	EMENT, NAV	Υ			Equipme	nt		MARINE AIR TRAFFIC CONTROL & LANDING SYSTEMS 42M									
Program Element for (Code B Items:							Other Related Program Elements BLI#281500									
		NOT A	PPLICABLE					0604504N									
	Prior	ID									То						
	Years	Code		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Complete	Total					
QUANTITY																	
COST																	
(In Millions)	\$54.2	Α		\$7.6	\$4.1	\$15.6	\$19.6	\$20.2	\$19.7	\$17.2	Cont	Cont					

DESCRIPTION:

Marine Air Traffic Control & Landing System (MATCALS) is a fully automated all weather expeditionary terminal Air Traffic Control System that provides arrival/departure and enroute surveillance control, automated precision approach and landing control, or Ground Controlled Approach (GCA). MATCALS satisfies the operational requirements set forth by Specific Operational Requirements (SOR): MATCALS SOR 34-22 of 12 July 1973,

Marine Remote Area Approach and Landing System SOR 34-26 of 30 Apr 1975, and Remote Landing Site Tower (RLST) Operational Requirements Document (ORD) 341-88-93 of 25 Jul 1997.

MATCALS, with other Marine Air Command and Control Systems and federal agencies, provides the ability to project air combat power in the Amphibious Operations Area (AOA) without regard to weather. Air traffic control and landing automation reduces air traffic controllers' traffic handling and management time, allowing more time for mission response and task accomplishment. It supports a required increase in aircraft sortie rates and contributes to extended time on target. The system provides for integration of Air Traffic Control (ATC) into the total Marine Air Command and Control System (MACCS).

MATCALS has three primary subsystems: (1) Air Traffic Control Subsystem (ATCS) consisting of an AN/TPS-73 Airport Surveillance Radar and various peripheral equipment; (2) All-Weather Landing Subsystem (ALS) consisting of an AN/TPN-22 Precision Approach Landing Radar, AN/UYK-44 computer and peripheral equipment; and (3) the Control and Communications Subsystem (CCS) (AN/TSQ-131(V)) with a Communications Control Group (CCG), radios, computer software, multi mode displays and peripherals. Other Fleet Marine Force ATC equipment supported by the funding line MATCALS are the AN/TSQ-120 Tower, AN/TRN-44 TACAN, AN/TPN-30 Marine Remote Area Approach & Landing Set (MRAALS), the AN/TSQ-216 Remote Landing Site Tower (RLST), the AN/TSM-170 Maintenance Shelters and various support items. Total requirement is for 13 subsystems: 9 for the Marine Air Traffic Control Detachments (MATCD); 1 for the Aviation Ground Support Element at 29 Palms, CA; 1 for operational contingencies/ISEA Test Bed at San Diego, CA and 2 for the Naval Air Technical Training Center (NATTC) in Pensacola, FL.

A portion of the current MATCALS is being transitioned to the Air Surveillance and Precision Approach Radar Control System (ASPARCS) (ORD 518-88-99 of 12 May 99). ASPARCS will consist of the AN/TPS-79 an Air Surveillance Radar, which will replace the AN/TPS-73; the AN/TPN-32 a Precision Approach Radar, which will replace the AN/TPN-22; and the AN/TPN-22; and the AN/TPN-23 an Operations/Communications Subsystem, which will replace the AN/TSQ-131. ASPARCS will provide greater mobility, reliability, reliability, maintainability, and interoperability with Marine Corps/Navy Command and Control Systems than the current MATCALS. Total OPN requirement for ASPARCS is 11 units: 9 for the Marine Air Traffic Control Detachments (MATCD's) and 2 for the Naval Air Technical Training Center (NATTC) in Pensacola, FL.

FY05 funding procures 18 MATCALS Radio ASPARCS ARC-210s (MJ431), 8 MATCALS Radio ASPARCS PRC-117F (MJ433), 2 ASPARCS Systems (MJ434), 6 Logistics Support Vehicles (MJ441), and various maintainability improvements and related installations.

INSTALLATION AGENT: SPAWARSYSCEN, SD and NAWCAD, St. Inigoes: Facilities that are to receive the equipment: Marine Corps air traffic control facilities, expeditionary airfields, and remote landing sites.

P-1 SHOPPING LIST

CLASSIFICATION:

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ITEM NO. 57 DD Form 2454, JUN 86 PAGE NO. 1

CLASSIFICATION:

ı	BUDGI	ET ITEM JU	STIFICATION	ITEMS		DATE: February 2	004			
APPROPRIATION/BUDGET AC	TIVITY		<u> </u>	P-40a		P-1 ITEM NO	OMENCLATUR		004	
OTHER PROCUREMENT		,	BA-2						S I ANDING	SYSTEMS 42M
OTHER PROCOREMENT	ID	Prior	DA-Z			WANNEA	INTRAFFIC	CONTROL	To	3 3 1 3 1 E WI 3 4 Z WI
Procurement Items	Code	Years	FY 2003	FY 2004	FY 2005				Complete	Total
MJ413 AN/TPN-30 MOD	A	rears	1 1 2003	112004	1 1 2003				Complete	Total
QTY		75								75
FUNDING		5.479								5.479
MJ429 AN/TSQ-216 (RLST)	Α									
QTY		13								13
FUNDING		14.917								14.917
MJ430 MATCALS										
RADIO ARC-210	Α									
QTY		146	22							168
FUNDING		8.073	1.077							9.150
MJ431 MATCALS RADIO			1							
ASPARCS ARC-210	В		+		H		ļ	ļ		
QTY	├		+		18		1		Continuing	Continuing
FUNDING			+		0.972		 	1	Continuing	Continuing
MALAGO MANIDAGY DADIGO			+		 		 			
MJ432 MANPACK RADIOS QTY	Α	29	18	16	 		 	1		63
FUNDING		1.199	0.666	0.351						2.216
MJ433 MATCALS RADIO										
ASPARCS PRC-117F	_									
ASPARCS PRC-11/F QTY	В				8				0	Otii
FUNDING					0.248		1		Continuing Continuing	Continuing Continuing
FONDING					0.240				Continuing	Continuing
MJ434 ASPARCS SYSTEMS	В				 					
QTY					2				Continuing	Continuing
FUNDING					11.754				Continuing	Continuing
1 GNEWO					11.704				Continuing	Continuing
MJ437 AN/UYQ-42 UPGRADE	Α									
QTY		34								34
FUNDING		1.466			ļ .					1.466
MJ439 AN/TSQ-120 UPRGRADE	Α									
QTY		6	1	2						9
FUNDING		2.726	0.610	1.046						4.382
	├		+		 		ļ	1		
MJ425 AN/TPN-20 SSM	Α		+		 		 		ł	
QTY		17	+		 		 		+	17
FUNDING	 	8.115	+		 		 		+	8.115
1 SINDING	 	0.113	+				†		+	0.113
MJ440 DAME	Α		+		 		1	1	+	
QTY	- `		13	14			1	1	+	27
FUNDING	 		0.729	0.630			1	1	+	1.359
1 0.12/1110	 		0.720	0.500			1	1	+	
MJ441 LOG SPT VEHICLE	Α		1		 				t t	
QTY			1	4	6		İ		Continuing	Continuing
FUNDING			1	1.000	1.539		İ		Continuing	Continuing
. 5.151110			1	500			1			ionig
MJ442 ASPARCS PHASE II	В						1		l	
QTY			1				1		Continuing	Continuing
FUNDING							İ		Continuing	Continuing
							1			
OTHER COSTS		12.249	4.519	1.063	1.101				CONT	CONT
TOTAL FUNDING		54.224	7.601	4.090	15.614				CONT	CONT

CLASSIFICATION:

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	WEAPONS SYSTEM C P-5	OST AN	ALYSIS			Weapon	System		DATE: February 2004				
	PRIATION/BUDGET ACTIVITY rocurement, Navy		COMMUNICA		ND		P-1 ITEM NO				ANDING	SYSTEMS	•
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 2003 Unit Cost		Quantity	FY 2004 Unit Cost	Total Cost	Quantity	FY 2005 Unit Cost		
MJ429 MJ430 MJ431 MJ432 MJ433 MJ434 MJ437 MJ439 MJ440 MJ441 MJ442 MJ800 MJ830	AN/TPN-30 MOD AN/TPN-22 SOLID STATE MODULATOR MAINT/RELIABILITY IMPROVEMENT AN/TSQ-216 (RLST) MATCALS RADIO ARC-210 MATCALS RADIO ASPARCS ARC-210 MANPACK RADIOS MATCALS RADIO ASPARCS PRC-117F ASPARCS SYSTEMS AN/UYQ-42 UPGRADE AN/TSQ-120 UPGRADE DAME LOGISTICS SUPPORT VEHICLE ASPARCS PHASE II INTEGRATED LOGISTICS SUPPORT PRODUCTION ENGINEERING PRODUCTION SUPPORT ACCEPTANCE TEST & EVALUATION INITIAL TRAINING	A A A A B A B B A A A A B X X X X X X X	5,479 8,115 4,068 14,917 8,073 1,199 1,466 2,726 1,216 3,263 618 695 2,117 272	VAR 22 18 1 13	51 37 610 56	3,593 1,077 666 610 729 292 144 86 379 25	2 14 4	22 523	1,046 630	VAR 18 8 2	54 31 5,877	248	
-			54,224			7,601			4,090			15,614	

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CLASSIFICATION:

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CLASSIFICATION:

BUDGET PROCUREN	MENT HISTO	ORY AND F	PLANNING EXHIBIT (Weapon System		A. DATE							
									February 20	04				
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NON	IENCLATURE			SUBHEAD					
Other Procurement, N	Navy		BA2 - Communication	ns and	MARINE AIR	TRAFFIC CONTROL &	G	42	MJ					
	•		Electronic Equipmer	nt	SYSTEM									
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE				
MJ431 MATCALS RADIO ASPARCS ARC-210														
FY - 05	18	54.0	NAVAIR	Nov-04	SS/OPTION	CEDAR RAPIDS, IA	Dec-04	Dec-05	YES					
MJ433 MATCALS RADIO ASPARCS PRC-117F														
FY - 05	8	31.0	NAVAIR	Nov-04	SS/OPTION	CEDAR RAPIDS, IA	Dec-04	Apr-05	YES					
MJ434 ASPARCS SYSTEMS														
FY - 05	2	5877.0	NAVAIR	Nov-99	FFP/OPTION	SYRACUSE, NY	Nov-04	Feb-06	YES					
MJ441 LOG SUPPORT VEHICLE							Dec-03							
FY - 04 FY - 05	6	250.0 257.0	NAVAIR NAVAIR	N/A N/A	WX WX	ST. INIGOES, MD ST. INIGOES, MD	Dec-04 Dec-05	YES YES						

D. REMARKS

P-1 SHOPPING LIST ITEM NO. 57

Classification:

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Exhibit P-20, Requireme	ents Study	APPROPRIATION	I/BUDGET ACTI	VITY	BA-2 COMMUNI	CATIONS &	Date:								
		Other Procuremen	it, Navy		ELECTRONIC E	QUIPMENT	February 20								
P-1 ITEM NOMENCLATUR	RE	Admin Leadtime	(after Oct 1):				Production Leadtime:								
MJ434 ASPARCS SYSTE	EMS		2 Months					16 N	1onths						
		FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009							
Buy Summary		11200		2	2	2	2	1							
Unit Cost				5.877	7.850	8.046	8.248	8.450							
Total Cost				11.754	15.700	16.092	16.496	8.450							
Asset Dynamics															
Beginning Asset Position						2	4	6							
Deliveries from all prior year	r funding														
Deliveries from FY 2003 fun															
Deliveries from FY 2004 fun	nding														
Deliveries from FY 2005 fun	nding				2										
Deliveries from subsequent	years' funding					2	2	2							
Other Gains															
Combat Losses/Usage															
Training Losses/Usage															
Test Losses/Usage															
Other Losses/Usage															
Disposals/Retirements/Attrit															
End of Year Asset Position	==				2	4	6	8							
Inventory Objective or Curre		11	11	11	11	11	11	11							
Inventory Objective	Actual Training	Other than Traini	ing	Disposals		Vehicles Eligible		Aircraft:							
11	Expenditures	Usage		(Vehicles/Other	r)	FY 2004 Replac		TOAI:							
Assets Rqd For Combat	FY 2003 thru	FY 2003 thru		FY 2003 thru		Vehicles Eligible		PAA:							
Loads:	31 Jul 03	31 Jul 03		31 Jul 03		FY 2005 Replac		TAI							
WRM Rqmt:	FY 2002:	FY 2002:		FY 2002:		Vehicle Augmen	nt:	Attrition Res:							
Pipeline:	FY 2001:	FY 2001:		FY 2001:											
Other:	FY 2000:	FY 2000:	FY 2000:				Inactive Inv:								
TOTAL:								Storage:							

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

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7 2005 PRESIDENT'S BUDGET PRODUCTION SCHEDULE, P-21														DATE February 2004																	
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MJ434 ASPARCS SYSTEMS																															
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Y 2005 PRESIDENT'S BUDGET PRODUCTION SCHEDULE, P-21 PPROPRIATION/BUDGET ACTIVITY																					Feb					1						
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OTHER PROCUREMENT,	NAV	Υ																MARINE AIR TRAFFIC CONTROL & LANDING SYSTEMS 42MJ														
							Pro	duct	ion I	Rate					Pro	cure	mer	ent Leadtimes														
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO. 57 PAGE NO. 7 Exhibit P-21 Production Schedule